

ATom - DC-8 10/23/17 Science Report

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Date: Monday, October 23, 2017

Mission: ATom

Mission Summary:

LPLA-BANGOR ATom III Report

Submitted by: Erin Czech on 05/29/18

File:

 [LPLA-BANGOR ATom III Report.pdf](#)

Related Flight Report:

DC-8 10/23/17

Flight Number: 1232

Payload Configuration: ATom-3 configuration - AMP, AO2, ARMAS, ATHOS, CAFE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIMS, HR-AMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SPAN, TOGA, UCATS, WAS

Nav Data Collected: Yes

Total Flight Time: 9.5 hours

Archive Data: [20171023](#) (80 archive (plain-text) files; 4 binary files)

Submitted by: Timothy Moes on 10/24/17

Flight Segments:

From:	LPLA - Lajes Airfield	To:	KBGR - Bangor International
Start:	10/23/17 09:33 Z	Finish:	10/23/17 18:59 Z
Flight Time:	9.5 hours		
Log Number:	188001	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Science		
Comments:	ATom-3 Science Flight RF11 LPLA-KBGR. This flight replaced the planned LPLA-BGTL flight that was cancelled due to forecast bad weather at Thule, Greenland. The flight included 9 vertical profile maneuvers (VPMs) spanning the North Atlantic, Greenland, Labrador Sea, Eastern Canada, and the Gulf of St. Lawrence. An en-route eddy flux maneuver was done on the 2nd dip at 500 ft, 100 ft, and 3000 ft AGL. Flying across the North Atlantic Tracks (NATs), ATC limited the tops of the VPS to 25kft or 23kft. The science instruments and aircraft did well on this very successful mission.		

Flight Hour Summary:

	188001
Flight Hours Approved in SOFRS	107.6
Total Used	103.5
Total Remaining	4.1

188001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/01/17 - 10/02/17	1223	Science	10	10	97.6	
10/04/17 - 10/05/17	1224	Science	7.4	17.4	90.2	
10/06/17 - 10/07/17	1225	Science	8.9	26.3	81.3	

10/09/17 - 10/10/17	1226	Science	9.2	35.5	72.1
10/12/17 - 10/13/17	1227	Science	9.9	45.4	62.2
10/14/17	1228	Science	10.7	56.1	51.5
10/17/17	1229	Science	9.5	65.6	42
10/19/17	1230	Science	4.6	70.2	37.4
10/20/17	1231	Science	7.7	77.9	29.7
10/23/17	1232	Science	9.5	87.4	20.2
10/25/17	1233	Science	9.6	97	10.6
10/27/17 - 10/28/17	1234	Science	6.5	103.5	4.1

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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